ELIA EIL

Program Process

California Advanced Homes Program Pacific Gas and Electric Territory

Administered by TRC







Agenda

- 1. CAHP Score
- 2. Enrollment Process











New Title 24 - New Program

CAHP scores replace percent better than code



- Similar to the RESNET HERS Score (0-250)
- A lower score equates to better performance and a higher incentive





CAHP Incentive Structure

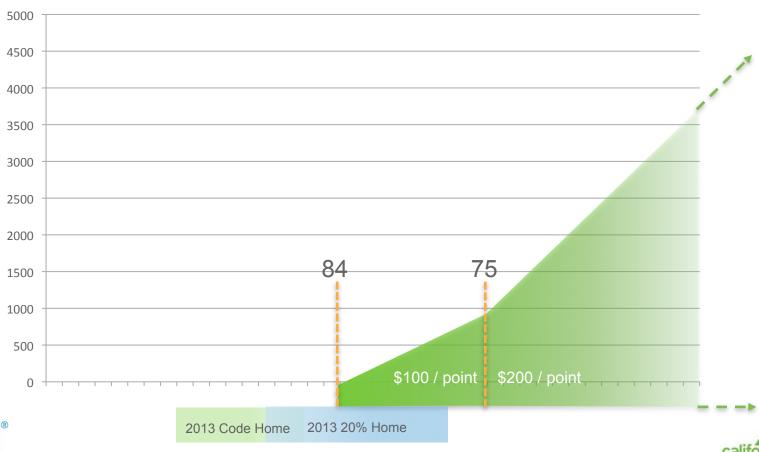
\$300 for program entry CAHP Score of 84

Per home:

- \$100 for each point down to 75

\$200 for each point thereafter

Average incentive per home is expected to be around \$1,000







CAHP Incentive Structure

Final CAHP Score		Incentive Amount	Final CAHP Score		Incentive Amount	Final CAHP Score		Incentive Amount
84	=	\$300	72	=	\$1,800	60	=	\$4,200
83	=	\$400	71	=	\$2,000	59	=	\$4,400
82	=	\$500	70	=	\$2,200	58	=	\$4,600
81	=	\$600	69	=	\$2,400	57	=	\$4,800
80	=	\$700	68	=	\$2,600	56	=	\$5,000
79	=	\$800	67	=	\$2,800	55	=	\$5,200
78	=	\$900	66	=	\$3,000	54	=	\$5,400
77	=	\$1,000	65	=	\$3,200	53	=	\$5,600
76	=	\$1,100	64	=	\$3,400	52	=	\$5,800
75	=	\$1,200	63	=	\$3,600	51	=	\$6,000
74*	=	\$1,400	62	=	\$3,800	50	=	\$6,200
73	=	\$1,600	61	=	\$4,000	49	=	\$6,400

^{*}After a CAHP Score falls below 75, \$200 per point reduction is added





2014 CAHP Project Examples

Location	San Jose (CZ 4)	Riverside (CZ 10)	San Diego (CZ 7)	Fresno (CZ 13)
Building Type	2,100 default	2,100 default	2,100 default	2,100 default
CAHP Score	81	69	80	55
Annual Energy Use (kTDV)	154,749	152,712	116,970	165,858
EE Measures	2013 Prescriptive, Plus:	2013 Prescriptive, Plus:	2013 Prescriptive, Plus:	2013 Prescriptive, Plus:
Envelope	• QII	 QII R-21 wall cavities U28/S22 windows 3.0 ACH50 blower door Cool Roof (0.90 emit.) 	• QII	 QII R-21 wall cavities R-8 ext wall insulation R-10 24" slab edge insulation 24" OC stud spacing R-13 roof deck insulation U28/S22 windows 1.0 ACH50 blower door Cool roof (0.90 emit.)
HVAC	• SEER 14/EER 12, 84% AFUE	• SEER 14/EER 12, 84% AFUE	-	• SEER 18/EER 14, 95% AFUE
DHW	0.82 EF tankless	-	0.97 EF tanklessAll pipes insulated	0.97 EF TanklessAll pipes insulated
Other	-	R-8 ducts	-	R-8 ductsDucts in conditioned space
Incentive*	\$500	\$2,300	\$600	\$5,100
*Individual result	ts may vary considerably			

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CAHP Incentive Bonuses

Future Code Preparation – 5 CAHP points

-Must meet five measures, explained on the <u>CAHP website</u>

(Measures include: High Performance Attic/Ducts in Conditioned Space & R21+4 walls/performance equivalent)

DOE Zero Energy Ready Home – 3 CAHP points

-www.energy.gov/eere/buildings/zero-energy-ready-home

Low Energy Use bonus – 5 CAHP points

-Use is less than 100,000 kTDV/year

Ultra Low Energy Use bonus – 5 CAHP points

-Use is less than 60,000 kTDV/year

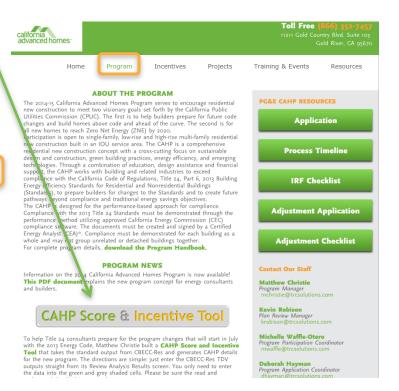




Calculate Your Score

Automatic: energy model outputs include Incentive Report **Manual:** Use the Score and Incentive Tool (available on the **cahp-pge.com** website>Program> <u>CAHP Score & Incentive Tool</u>

Compliance %	25.2%
Initial CAHP Score	75
CAHP Bonus Points	0
Final CAHP Score	75
CAHP SF Incentive	\$ 1,200
Total Annual KTDV	261,575.68







Questions?



Next up: Enrollment process for the 2014 program











2014 Program Participation Eligibility

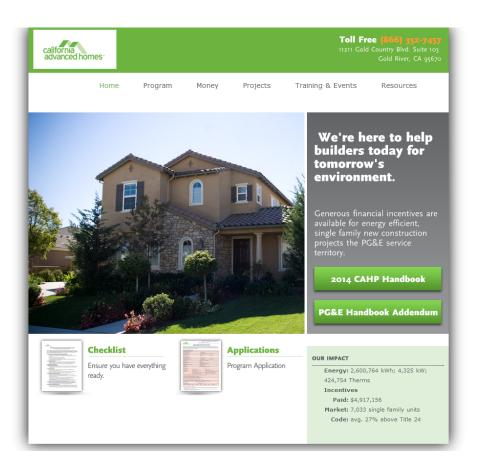
Permitting under 2013 Title 24 standards	Permits must be issued July 1, 2014 or after		
PG&E service area for both gas and electric for full incentives	If only gas or electricity (not both) the project may receive partial incentives		
New construction	Gut rehabs down to the studs with all new equipment may apply		
Single family homes, duplexes	Townhomes with air spaces and no shared walls may apply		
Minimum CAHP Score of 84	See the CAHP Program Handbook for additional eligibility requirements		





CAHP – Complete Application Package

- 1. 2014 CAHP Application
- 2. PDF construction plans
- 3. Lot list (production homes)
- 4. Site map with North arrow
- 5. PG&E service verification
- 6. Title 24 forms and input files
- 7. Equipment specifications
- 8. Registry sharing
- 9. Enrollment survey*







^{*}Completed one time per builder.

CAHP- Enrollment Process

Steps to get started and best practices:

- 1.Download application, handbook, and checklist from the TRC CAHP website: www.cahp-pge.com
- 2. Submit entire application package (see <u>checklist</u>) as soon as possible to allow time for review.
- 3.Clearly label all documents
- 4.Use highlighter or circle the exact model and efficiency of planned installations on all specification sheets.
- 5. Maintain communication with your project team

Remember – we are happy to help! Feel free to contact us with your questions.





2014 CAHP Participation Process

Overall process remains similar to prior program cycle with the exception that a project must complete plan review before drywall is installed and HERS testing begins*.

- New application
- Title 24
 documents
 (including CAHP
 Incentive Report)
- Building plans and spec sheets
- Proof of service
- Other supporting documents

Application

Plan Review

- Plan Review team reviews and comments on submission documents
- CAHP team sends project to PG&E for enrollment
- CAHP team sends
 Acceptance package
 to Builder

- HERS rater visits site and verify compliance
- HERS rater uploads results to designated HERS registry
- HERS rater notifies Builder that lots are ready to request payment

HERS Verification * Subject to change

Incentive Payment

- Builder confirms lots have been tested with HERS rater
- Submit complete Incentive Request Form (IRF) and supporting documents





Free Design Assistance

CAHP can coordinate with your project team to:

- -Optimize energy savings and incentives
- -Maximize home/building performance
- -Exceed Title 24 standards
- –Reach high-incentive bonus CAHP points

How to request design assistance:

- -Engage early
- Contact Kevin Robison or Matthew Christie
- Receive ongoing designassistance during plan review







Thank you!

Matthew Christie

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